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O. Bratteli D. W. Robinson
Operator Algebras
and Quantum Statistical Mechanics 2

For almost two decades this has been the classical textbook on applications of operator algebra theory to quantum statistical physics. It describes the general structure of equilibrium states, the KMS-condition and stability, quantum spin systems and continuous systems. Major changes in the new edition relate to Bose-Einstein condensation, the dynamics of the X-Y model and questions on phase transitions. Notes and remarks have been considerably augmented.

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Second Edition

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Equilibrium States.
Models in Quantum Statistical
Mechanics

Second Edition



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